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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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08/902,005 07/29/97 BUTLER

L MS1-117US

022801 WM01/0605  
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EXAMINER

TRAN, H	
ART UNIT	PAPER NUMBER

2611  
DATE MAILED:

06/05/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

# Office Action Summary

Application No.

08/902,005

Applicant(s)

BUTLER ET AL.

Examiner

Hai Tran

Art Unit

2611

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-50 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-50 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claims \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

- 15) ☒ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_.
- 18) ☒ Interview Summary (PTO-413) Paper No(s) 13.
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other:

## **DETAILED ACTION**

### ***Response to Arguments***

Applicant's arguments with respect to claims 1-50 have been considered but are moot in view of the new ground(s) of rejection.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1-50 are rejected under 35 U.S.C. 103(a) as being unpatentable over Throckmorton et al. (US 5818441) in view of Pleyer (US 5883627)

Regarding claim 1, Throckmorton discloses a method comprising the following steps:

Transmitting a video stream (Fig.1 and Col.4, lines 15-20).

Formatting a supplemental data files (associated data) in a graphical markup language (Col.3, lines 55-67).

Transmitting the supplemental data files (associated data) along with the video stream (Col.4, lines 1-20).

Throckmorton does not specifically disclose each supplemental data file having instructions for rendering a hyperlink overlay on the video stream.

Pleyer discloses a client device such as set top box or other type of device having a capability to communicate with a server to respond to instruction from server for rendering overlay on a video stream (Col.3, lines 45-Col.4, lines 45). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Throckmorton by including instructions for rendering overlay on the video stream, as taught by Pleyer, in order to generate the on-screen video graphics and overlying the on-screen graphics over the video image projected (Summary of the invention).

Regarding claim 2, Throckmorton further discloses wherein the formatting step comprises formatting the supplemental data files in the HTML (Fig.2, element 16, Col.3, lines 55-67 and Col.9, lines 1-5).

Regarding claim 3, Throckmorton further comprising a step of transmitting timing specifications with the supplemental data files indicating times for displaying the hyperlink overlays (Col.4, lines 55-60).

Regarding claim 4, Throckmorton further discloses a computer readable storage medium (Col.7, lines 30-35) having computer executable instructions for performing steps as recited in claim 1 (Col.3, lines 55-67 and Col.4, lines 65 – Col.5, lines 18).

Regarding claim 5, in combination with claim 1, Throckmorton further discloses

Receiving the video stream and accompanying supplemental data files  
(Abstract);

Pleyer further displaying the hyperlink overlays in conjunction with the video stream (Col.4, lines 1-20).

Regarding claim 6, Pleyer further discloses wherein the displaying step comprises launching an HTML compatible browser to display the hyperlink overlays (Col.8, lines 53-65).

Regarding claim 7, Pleyer discloses an HTML compatible browser to display the hyperlink overlays (Col.8, lines 37-65) in conjunction with the video stream (Col.3, lines 25-65).

Pleyer further discloses the formatting step comprises setting transparent areas of each hyperlink overlay to a key color and displaying the video stream only in the areas of the hyperlink overlays that are set to a key color (Col.21-45).

Regarding claim 8, see analysis of claim 6 in combination with claim 7.

Regarding claim 9, in combination with claims 6 and 7, (Fig.10).

Regarding claim 10, see analysis of claim 6 in combination with claim 9.

Regarding claim 11, Throckmorton further discloses an additional step of displaying content targeted by such hyperlinks in response to selecting such hyperlinks (Col.9. lines 10-20).

Regarding claim 12, Throckmorton further discloses an additional step of replacing any currently displayed hyperlink overlay with content targeted by such hyperlinks in response to selecting such hyperlink (Col.9. lines 10-20).

Regarding claim 13, Pleyer further discloses an additional step of opening new viewing windows (Windows Operating System) for displaying content targeted by such hyperlinks (Col.3, lines 30-50).

Regarding claim 14, Pleyer further discloses an additional step of launching application programs (Browser) as required to render content targeted by such hyperlink (Col.8, lines 37-65).

Regarding claim 15, see analysis of claim 4.

Regarding claim 16, see analysis of claim 1 in combination with claims 5 and 7.

Regarding claim 17, see analysis of claim 3.

Regarding claim 18 and 25 see analysis of claim 6.

Regarding claim 19, see analysis of claims 7 and 8.

Regarding claims 20 and 28 see analysis of claim 11.

Regarding claims 21 and 29 see analysis of claim 12.

Regarding claims 22 and 30 see analysis of claim 13.

Regarding claims 23 and 31 see analysis of claim 14.

Regarding claim 24, see analysis of claim 1 in combination with claims 4, 5, 7 and 8.

Regarding claim 26, see analysis of claim 9.

Regarding claim 27, see analysis of claim Regarding claims 22 and 30 see analysis of claim 13.

Regarding apparatus claim 32, see method claim 24.

Regarding apparatus claims 33 and 46 see method claim 6.

Regarding apparatus claim 34, see method claim 9.

Regarding apparatus claim 35, see method claim 8.

Regarding apparatus claims 36 and 47 see method claim 11.

Regarding apparatus claims 37 and 48 see method claim 12.

Regarding apparatus claims 38 and 49 see method claim 13.

Regarding apparatus claims 39 and 50 see method claim 14.

Regarding apparatus claim 40, see analysis of method claims 1 and 5.

Regarding apparatus claim 41, see analysis of method claim 2.

Regarding apparatus claim 42, see analysis of method claim 3.

Regarding apparatus claim 43, see analysis of method claim 6.

Regarding apparatus claim 44, see method claim 9.

Regarding apparatus claim 45, see analysis of method claims 3, 5, 7, 9 and  
Pleyer further discloses display hardware for displaying video stream and bit-  
mapped images to a user and data processor (Fig.10) and further discloses  
display hardware including color keying hardware that displays video in display  
areas that are set to a key color (Fig.2, 3, 4).

**Contact Fax Information**

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**or Faxed to:**

(703) 872-9314, (for formal communication intended for entry)

**or:**

(703) 308-5399, (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

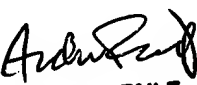
**Contact Information**

**Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai Tran whose telephone number is (703) 308-7372. The examiner can normally be reached on Monday through Friday from 8:30 AM to 5:00 PM.**

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Faile, can be reached on (703) 305-4380. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-5399.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-0377

HT:ht  
06/01/01

  
**ANDREW FAILE**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2600**